

In the Claims:

Please cancel claim 23 without prejudice or disclaimer, and amend claims 1, 42, and 43, as follows:

1. (Currently Amended) A portable infusion system that is programmable by an individual for delivering fluid from a reservoir into a user, the infusion system comprising:
- a drive mechanism that forces the fluid out of the reservoir;
 - a housing sized to be carried by the user and adapted to contain at least a portion of the reservoir and the drive mechanism;
 - an input device coupled to the housing that accepts one or more inputs;
 - a processor contained in the housing that uses one or more of the one or more inputs to modify one or more control parameters to control the drive mechanism; and
 - a display coupled to the housing that receives information from the processor and visually displays one or more screens containing the information,
- wherein at least one of the one or more screens is a select screen that includes at least two menu items,
- wherein the input device is used to select one menu item from amongst the at least two menu items,
- wherein selection of one of the at least two menu items causes the display to show at least another one of the one or more screens that is a set screen including a plurality of control parameters associated with the selected menu item, and further wherein the set screen guides the individual through sequential steps for programming the plurality of control parameters associated with the selected menu item, and
- wherein the input device is used to program the plurality of control parameters associated with the selected menu item from the set screen in accordance with the sequential steps provided by the set screen.
2. (Original) An infusion system according to claim 1, wherein the processor runs energy management software that changes the display to a Blank Screen after a Time-Out delay has expired.

3. (Original) An infusion system according to claim 1, that includes a means to store a maximum bolus that is programmable using the input device, wherein the maximum bolus limits the maximum units of fluid that can be delivered in a single bolus.

4. (Original) An infusion system according to claim 1, that includes a means to store a maximum basal rate that is programmable using the input device, wherein the maximum basal rate limits the maximum rate that units of fluid that can be delivered during a basal fluid delivery.

5. (Original) An infusion system according to claim 1, that includes a means to store one or more basal profiles that are programmable using the input device.

6. (Original) An infusion system according to claim 1, that includes one or more alarm types that are programmable using the input device.

7. (Original) An infusion system according to claim 1, that includes a means to store an insulin type that is programmable using the input device.

8. (Previously Amended) An infusion system according to claim 1, including a means to store a reservoir type that is programmable using the input device.

9. (Previously Amended) An infusion system according to claim 1, wherein selection of another one of the at least two menu items causes the infusion system to reset the control parameters to factory default values.

10. (Previously Amended) An infusion system according to claim 1, wherein selection of another one of the at least two menu items causes the infusion system to reset control parameters to values set by a health care professional.


11. (Original) An infusion system according to claim 1, including an alarm wherein the alarm intensity changes with time.

12. (Previously Amended) An infusion system according to claim 1, wherein selection of another one of the at least two menu items causes the drive mechanism to reverse direction.

13. (Previously Amended) An infusion system according to claim 1, wherein selection of another one of the at least two menu items causes the infusion system to begin a selftest.

14. (Original) An infusion system according to claim 1, wherein a numeric value displayed in at least one screen has a number to the right of a decimal point that is formatted differently than a number to the left of the decimal point.

15. (Previously Amended) An infusion system according to claim 1, wherein at least a further one of the one or more screens is a status screen.

 16. (Previously Amended) An infusion system according to claim 1, wherein selection of another one of the at least two menu items causes the display to show at least a further one of the one or more screens that is a set screen including a single control parameter associated with the selected menu item, and wherein the input device is used to program the single control parameter associated with the selected menu item from the set screen.

17. (Previously Amended) An infusion system according to claim 16, wherein the selected menu item is a maximum basal rate, and the single control parameter is a maximum rate at which units of fluid can be delivered during a basal delivery.

18. (Previously Amended) An infusion system according to claim 16, wherein the selected menu item is a maximum bolus, and the single control parameter is a maximum number of units of fluid that can be delivered in a single bolus delivery.

19. (Previously Amended) An infusion system according to claim 1, wherein selection of another one of the at least two menu items causes the display to show at least a further one of the one or more screens that is another select screen including at least another two menu items associated with the selected menu item.

20. (Previously Amended) An infusion system according to claim 19, wherein the another select screen includes a screen to select an insulin type.

21. (Previously Amended) An infusion system according to claim 19, wherein the another select screen includes a screen to select a reservoir type.

22. (Previously Amended) An infusion system according to claim 19, wherein the another select screen includes a screen to select a language.

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B.
23. (Cancelled)

24. (Original) An infusion system according to claim 23, further including an infusion set and tubing having a first end and a second end, wherein the first end of the tubing is connected to the reservoir and the second end of the tubing is connected to the infusion set.

25. (Original) An infusion system according to claim 24, wherein a manual prime may be used to fill the tubing with fluid from the reservoir.

26. (Original) An infusion system according to claim 24, wherein a fixed prime may be used to fill the tubing with fluid from the reservoir.

27. (Previously Amended) An infusion system according to claim 24, wherein selection of another one of the at least two menu items causes the display to show a further one or more of the one or more screens that include one or more information screens to guide the individual through sequential steps to prime the infusion system.

28. (Previously Amended) An infusion system according to claim 1, wherein one of the at least two menu items is highlighted by default when the select screen is initially displayed, and the menu item that is highlighted by default is dependent on a function that the infusion system is performing when the select screen is initially displayed.

29. (Previously Amended) An infusion system according to claim 28, wherein the menu item that is highlighted by default when the select screen is initially displayed is a suspend command if the infusion system is performing a bolus delivery when the select screen is initially displayed.

30. (Previously Amended) An infusion system according to claim 1, further including a communication device for receiving communications from an external device to control the drive mechanism.

31. (Previously Amended) An infusion system according to claim 30, wherein selection of another one of the at least two menu items causes the display to show a screen that allows the individual to enter an identifier for the external device, which thereby configures the infusion system to accept communication from the external device.

32. (Original) An infusion system according to claim 1, wherein the input device includes a keypad with one or more keys.


33. (Original) An infusion system according to claim 32, wherein when the infusion system is suspended from delivering fluid, fluid delivery is resumable with two or less keystrokes independent of the screen being displayed.

34. (Original) An infusion system according to claim 32, wherein the one or more keys includes an ACT key, and wherein pressing the ACT key enters a selection or a value into the processor and causes the display to exit a screen that displayed the selection or value.

35. (Original) An infusion system according to claim 32, wherein the one or more keys includes an Esc key, and wherein pressing the Esc key causes the display to exit a screen without entering a new selection or a new value into the processor.

36. (Original) An infusion system according to claim 32, wherein the one or more keys includes an Esc key, and wherein pressing the Esc key causes the display to exit a currently displayed screen and show a screen that was displayed just prior to the currently displayed screen.

37. (Original) An infusion system according to claim 32, wherein a single keystroke is used to exit a Blank Screen and display at least one other screen.

 38. (Original) An infusion system according to claim 37, wherein at least one of the at least one other screen is a Main Menu screen.

39. (Original) An infusion system according to claim 37, wherein at least one of the at least one other screen is an Express Bolus screen.

40. (Original) An infusion system according to claim 37, wherein at least one of the at least one other screen is an Easy Bolus screen.

41. (Original) An infusion system according to claim 37, wherein at least one of the at least one other screen is a Status screen.

42. (Currently Amended) A method of programming an infusion device which includes a reservoir containing fluid for delivery into a user, a drive mechanism to force fluid from the reservoir, a housing sized to be carried by the user and adapted to contain at least a portion of the reservoir and the drive mechanism, an input device coupled to the housing that accepts inputs from the user, wherein the input device includes one or more keys including an escape key, a processor contained in the housing that uses control parameters to control the drive mechanism, wherein the control parameters may be changed through inputs from the user, and a display coupled to the housing that receives information from the processor and visually displays screens containing the information for the user to see, the method comprising the steps of:

generating one or more menus;

accessing the one or more menus;

selecting a menu item from at least one of the one or more menus to access a set screen including a plurality of control parameters associated with the selected menu item, wherein the set screen guides the user through sequential steps for programming the plurality of control parameters associated with the selected menu item;

modifying the plurality of control parameters displayed on the set screen in accordance with the sequential steps provided by the set screen; and

either accepting the modification to the plurality of control parameters and exiting the set screen, or pressing the escape key to exit the set screen without accepting the modification to the plurality of control parameters.

43. (Currently Amended) A programmable infusion device which includes a reservoir containing fluid for delivery into a user, a drive mechanism to force fluid from the reservoir, a housing sized to be carried by the user and adapted to contain at least a portion of the reservoir and the drive mechanism, an input device coupled to the housing that accepts inputs from the user, wherein the input device includes one or more keys, a processor contained in the housing that uses control parameters to control the drive mechanism, wherein the control parameters may be changed through inputs from the user, and a display coupled to the housing that receives information from the processor and visually displays screens containing the information for the user to see, the infusion device comprising:

generating means for generating one or more menus;

accessing means for accessing one or more menus;

selecting means for selecting a menu item from at least one of the one or more menus to access a set screen including a plurality of control parameters associated with the selected menu item, wherein the set screen guides the user through sequential steps for programming the plurality of control parameters associated with the selected menu item;

modifying means for modifying the plurality of control parameters displayed on the set screen in accordance with the sequential steps provided by the set screen;

accepting means for accepting the modification to the plurality of control parameters and exiting the set screen; and

escape key means for exiting the set screen without accepting the modification to the plurality of control parameters.

44. (Previously Amended) An infusion system according to claim 19, wherein the second select screen includes a screen to select a therapy.

45. (Original) An infusion system according to claim 1, wherein the input device includes one or more soft keys.

46. (Previously Amended) An infusion system according to claim 1, wherein at least a further one of the one or more screens includes one or more confirmation screens.

47. (Previously Added) An infusion system according to claim 1, wherein the selected menu item is a basal profile, and the set screen guides the individual through sequential steps for programming the plurality of control parameters associated with the basal profile.

48. (Previously Added) An infusion system according to claim 47, wherein the plurality of control parameters associated with the basal profile include a basal rate and a start time for the basal rate.

49. (Previously Added) An infusion system according to claim 1, wherein the selected menu item is a temporary basal profile, and the set screen guides the individual through sequential steps for programming the plurality of control parameters associated with the temporary basal profile.

50. (Previously Added) An infusion system according to claim 49, wherein the plurality of control parameters associated with the temporary basal profile include a basal rate and a duration for the basal rate.

51. (Previously Added) An infusion system according to claim 1, wherein the selected menu item is a square wave bolus, and the set screen guides the individual through sequential steps for programming the plurality of control parameters associated with the square wave bolus.

52. (Previously Added) An infusion system according to claim 51, wherein the plurality of control parameters associated with the square wave bolus include a bolus amount and a duration for delivering the bolus amount.

53. (Previously Added) An infusion system according to claim 1, wherein the selected menu item is a dual wave bolus, and the set screen guides the individual through sequential steps for programming the plurality of control parameters associated with the dual wave bolus.

54. (Previously Added) An infusion system according to claim 53, wherein the plurality of control parameters associated with the dual wave bolus include an immediate bolus amount, a square wave bolus amount, and a duration for delivering the square wave bolus amount.
